Product Support Bulletin

Subject: How To Connect Epson PostScript Printers Into An AppleTalk Network

Date: 10/9/92 **PSB No: P-0092**
Page(s): 1 of 1 **Originator: SDS**

This bulletin provides information on how to interface Epson laser printers with an Epson PostScript[1] Card to an Apple Macintosh[2] using Apple LocalTalk[3] and the Bridgeport[4] by Extended Systems.

Connecting a printer to an Apple Macintosh can be difficult if the printer does not have an AppleTalk interface. The Epson Action Laser II and EPL-8000 laser printers with the Epson PostScript Card installed do not have built-in AppleTalk interfaces and as such can be difficult to connect to an AppleTalk network.

Extended Systems has a solution to this problem. It is the Bridgeport 2679B. This printer sharing device allows you to connect a PostScript printer to an AppleTalk network and two DOS-based PCs. The Bridgeport has an AppleTalk port that allows connection to either a stand-alone Macintosh or to an AppleTalk network via Apple LocalTalk. This device also has a serial and a parallel port for connecting two DOS-based PCs. The Bridgeport will monitor each of the input ports and route data that it receives to the printer.

The Bridgeport 2697B was tested from an AppleTalk network to an Action Laser II, an EPL-8000 with the Epson PostScript Card, and to an Epson EPL-7500. All three installations worked flawlessly and the printed output was exactly as expected. This device requires that the Apple LaserWriter? driver Version 5.2 or above be installed on the network.

The manufacturer suggested retail price of the Extended Systems' Bridgeport is $495.00[5]. See below for Extended Systems' address and telephone numbers.

Extended Systems
P.O. Box 4937
Boise, Idaho 83711
(800) 235-7576 (U.S.)
(406) 587-7575 (Outside U.S.)

1 PostScript is a registered trademark of Adobe Systems Incorporated.
2 Macintosh is a trademark of Apple Computer, Inc.
3 AppleTalk, LocalTalk, and LaserWriter are registered trademarks of Apple Computer, Inc.
4 Bridgeport is a trademark of Extended Systems Incorporated.
5 Price is subject to change without notice.

Product Support Bulletin

Subject: Laser & Non-impact Printer Error Codes

Date: 4/3/91
Page(s): 1 of 11

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Epson printers issue beep tones and/or displays error codes when certain error conditions exist. Those beeps or codes can assist you in locating and repairing customer's printers. The following error codes are listed by product name.

EPI-4000 Display Codes

PE	Paper End (out) detected
co	Cover open
IL	Ink low
IE	Ink End (out)
PJ	Paper jam
EI (blinking)	Heater error (broken heater wire)
E2 (blinking)	Contact error (heater fan or thermistor contact)
E4 (blinking)	CO34 DVR board error
E6 ↔ YY (blinking)	CO34 Main board software Error I (YY will be a number from 66(H) to 7D(H))
E7 ↔ YY (blinking)	CO34 Main board software Error II (YY will be a number from 02(H) to XB(H))
E8 ↔ YY (blinking)	Board contact error, CO34 Main board hardware (YY will be one of the following numbers: 80, 81, 84, 85, 86, 87, 8A, 8C)
E9 (blinking)	CO34 Main board hardware error
EO (blinking)	Abnormal vottage
bF	Buffer overflow for fonts

EPI-4000 cont.

bo	Buffer overflow for graphics
CE	Card error
PS	Paper size error
Lr	Release lever error
LE	Envelope lever error
dP	Data processing
FF	Depress the Form Feed button

EPL-6000/ActionLaser/ActionLaser+ LCD Codes

CHANGE DRUM	The drum needs to be changed. The drum cartridge may not be installed, the cartridge may not be installed properly or the cartridge may be defective.
COVER OPEN	Printer cover is open
CPU ERROR	Printer's CPU has made a calculation error
ERROR 10	Program ROM error
ERROR 11	Font cartridge or identity cartridge checksum error
ERROR 12	RAM error
ERROR 20	Memory overflow
ERROR 21	Print overrun error
ERROR 22	Receive buffer overflow
ERROR 30	Memory error
ERROR 31	Scanner error
ERROR 32	Heater (Heat Roller Unit) error

EPL-6000 cont.

ERROR 33	Thermistor error
ERROR 40	Parii / Framing error
FONT CARD ERROR	Font cartridge is bad (or is not inserted) correctly
INSERTION ERROR	Paper is not inserted correctly or has jammed at the paper tray
PAPER EMPTY	No paper in the paper cassette Paper cassette is not installed properly Paper cassette lid is open Paper sensor is bad
PAPER JAM	Paper is jammed inside the printer
PAPER SIZE ERROR	Paper setting does not match the size of the paper in the paper cassette
PS CHANGE	Paper size requested by the host conflicts with the SelecType setting

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EPL-7000 LCD Codes

NOTE:

In some cases, the red CONTINUE light flashes when an error is detected. This requires you to correct the problem and then press the CONTINUE button to dear the error. However, if the AUTO CONT option in SelecType is set to ON, some errors may clear automatically even though the problem remains.

Status messages are preceded by [S], warning messages are preceded by [W], and error messages are preceded by [E]. In some cases the message you see on your display also shows the printer mode.

[E] ADD MEMORY FOR CH-X

The printer has insufficient memory available in the channel displayed.

[E] CARD MEMORY OVERFLOW

This message indicates that the combined memory requirement of the cards in slots A and B exceeds 4 Mbytes.

EPL-7000 cont.

[S] COPY END X/X
Multiple-copy printing is cancelled (you pressed the COPY END button when the printer was off line).

[E] COVER OPEN
The printer cover is open or the imaging cartridge is not installed.

[S] DATA
The printer has received data but is not yet printing, or the printer has received data and is off line.

[E] FEED JAM
Paper is not feeding into the printer from the specified cassette or has jammed on its way into the printer.

[S] GRAPHIC DRAWING
Graphics are being created.

[E] ILLEGAL CARD
A card or cartridge in a particular slot cannot be read.

[S] INITIALIZE
The printer is being initialized (reset) to the factory settings.

[E] INSUFF. MEMORY
The printer has insufficient memory available for the task you have given it. This error can also be cleared by turning the printer off and back on again. However, it may be necessary to simplify the page you are trying to print or add more memory to the printer.

[E] PAGE BUFFER FULL
Text or graphics data has filled the printer's buffer and an incomplete page is ejected.

[S] PAPER FEEDING
The printer is feeding paper.

[E] PAPER JAM
Paper is not being fed into the printer or paper is jammed inside the paper path.

EPL-7000 cont.

[E] PAPER OUT
There is no paper in the standard paper cassette and the optional lower paper cassette (ii installed). Or, the paper set lever is in the manual position and you are not feeding pages correctly.

[E] PAPER OUT SET AUTO XXX
There is no paper in any of the paper cassettes. The right column of the display prompts you to load the correct paper size into the paper cassette.

[E] PAPER OUT SET OPT XXX
There is no paper in the optional lower paper cassette. The right column of the display prompts you to load the correct paper size into the paper tray of the lower paper cassette.

[E] PAPER OUT SET STD XXX
There is no paper in the standard paper cassette. The right column of the display prompts you to load the correct paper size into the standard paper cassette.

[E] PAPER SIZE ERROR
The paper size you selected with SelecType (or the default size if you have not selected a size) does not match the paper loaded in the selected paper cassette.

[S] PRINTING
The printer has received data and is printing.. . . .

[S] PRINT STOP X/X
The printer stops printing during a multi-copy print operation.

[S] RAM Check X.X MB
The printer is checking RAM (X.X = capacity).

[S] READY
The printer is ready to print.

[E] REINSERT CARD
If this message appears on the display, you may have removed a font card or cartridge while the FEED light was still lit or while the printer was on line.

EPL-7000 cont.

[E] REMOVE CARD
You may have inserted a font card or cartridge while the printer was on line or while the FEED light was on. Data still remains in the printer's buffer.

[E] RESELECT TRAY
The optional lower paper cassette is not installed and the INPUT option is set to OPT or AUTO.

[S] RESET
The printer is being reset to the previous settings in the macro specified with LOAD MACRO option in SelecType Level 1.

[S] ROM Check
The printer is checking ROM.

[E] SAVE MEMORY OVERFLOW
If this message appears when you are trying to save a macro with the SAVE MACRO option in SelecType Level 1, the printer does not have enough memory to save any additional macros

[E] SERVICE REQ. CXXX
A controller error has been detected.

[E] SERVICE REQ. EOOXX
A print engine error has been detected.

XX= 03 Fusing Unit (low temp)
04 Main Drive Motor
05 Ozone Fan motor
06 Polygon Mirror Drive
09 HSync Signal

[E] SET FULL PRINT
This message may appear when you are trying to print graphics or a mix of text and graphics.

[S] STANDBY MODE
When both CH P and CH S remain off for about thirty minutes, the printer enters standby mode and this message appears.

[E] STARTUP ERROR
If this message appears when you turn on the printer, the power may have been turned off while the printer was performing a save or reset operation.

EPL-7000 cont.

[W] TONER LOW
The printer is almost out of toner. When this message first appears on the LCD display, you can print up to 25 more pages.

[E] TONER OUT
The imaging cartridge must be replaced.

[E] TRAY SET AUTO XXX
The paper size setting does not match the paper loaded in the specified paper cassette. The right column is the expected paper size and the currently selected cassette.

[E] TRAY SET OPT XXX
The paper size setting does not match the paper loaded in the optional lower paper cassette. The right column is the expected paper size.

[E] TRAY SET STD XXX
The paper size setting does not match the paper loaded in the standard paper cassette. The right column is the expected paper size.

[S] WAIT
Printer is being reset after a START UP ERROR.

[S] WARMING UP
Printer is warming up.

EPL-7500

[E] COVER OPEN
Cover is open or the imaging cartridge is not installed.

[E] MANUAL FEED
Manual feed method is selected.

[S] OFF LINE
Printer is Off tine

[E] OUT OF PAPER
No paper cassette is installed, the paper cassette is empty, or the paper set lever is in the manual position.

EPL-7500 cont.

[E] PAPER ENTRY JAM
Paper is not feeding from the specified paper cassette or has jammed on its way into the printer.

[E] PAPER EXIT JAM
Paper is jammed inside the paper path.

[S] PRINTING
The printer has received data and is printing.

[S] PRINTING TEST
The printer is printing the test page.

[S] PROCESSING
The printer is processing data.

[S] QUIT THE JOB
The On-Line button has been pressed while a print job was in progress. The job can be flushed by pressing the Reset button, or a reset can be cancelled by pressing any other button.

[S] QUITTING THE JOB
The printer is flushing a job from the buffer.

[S] READY
The printer is ready to receive data.

[S] RESETTING
This message appears initially when the printer is turned on, and momentarily between print jobs.

[E] TONER LOW
The imaging cartridge must be replaced.

[S] WAIT FOR READY
The On-tine button was pressed while a print job was in progress. The printer continues printing until the current job is completed, then it goes Of-Line.

[S] WAITING
The printer is in the process of executing a job and has run out of data and is waiting for the channel to provide more data.

EPL-7000 cont.

[S] WARMING UP
The printer is warming up.

Note:
If any of the following messages appear, turn the printer off for at least five seconds, then turn it back on. If the same message is displayed, repair is required.

SCAN MOTOR ERROR

HSYNC ERROR

HEATER LAMP ERROR

MAIN MOTOR ERROR

FAN MOTOR ERROR

ES300C Display Codes

E-C Command error. An unidentified command or parameter was detected.

E-I Interface error
a. Incorrect communication parameter received.
b. Broken connector or wire.
c. Host failed to respond within 30 seconds.
d. Host is not accepting data. (DSR= Low)

E-F Fatal error
a. A lamp is broken.
b. Power is applied before the transportation screws were removed.
c. System failure

GQ-3500 Display Codes

do	Cover Open error
E0 ↔ 00	Engine driver CPU error.
E0 ↔ 01	Option tray CPU error.
E0 ↔ 02	Option tray motor error.

GQ-3500 cont.

E0 ↔ 03	Optical unit error.
E0 ↔ 05	Main motor error.
E0 ↔ 06	Fusing unit error.
El ↔ 80	Exception error.
El ↔ 81	Trap error.
El ↔ 82	Bus error.
El ↔ 83	Address error.
El ↔ 84	Illegal Instruction.
El ↔ 89	NMI error.
El ↔ 91	Reverse vector interrupt error.
El ↔ 92	User vector interrupt error.
El ↔ A1	System RAM error.
El ↔ A2	External RAM error.
El ↔ A3	CG ROM error.
JO	Paper feed error.
JI	Paper feed jam.
J2	Paper exit jam.
PO	Paper empty, paper tray is not installed or paper is not installed properly.
PU	Paper size error.
To	Toner empty.

GQ-3500 cont.

U1	Replace the collector unit and lens shield.
u2	Replace the drum cartridge and lens shield.

Product Support Bulletin

Subject: Quick Reference for Printer Acoustic Noise Levels

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Page(s): 1 of 2

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Sound intensity is measured in units called Bels (named after Alexander Graham Bell,) or more commonly in tenths of this fundamental unit: decibels. In making noise measurements a weighting network is applied in an attempt to match the frequency response of the instrument to that of the human ear. The most common is the A weighting network, with resulting measurements expressed in dB(A).

The following is a list of current product's noise levels tested in accordance with standards set by the International Standards Organization (ISO). The acoustic noise levels for the 9 pin printers are averages while printing in Near Letter Quality (NLQ) mode using continuous paper and are not guaranteed figures. The acoustic noise levels for the 24 pin printers are averages while printing in Letter Quality (LQ) mode using continuous paper and are not guaranteed figures. The acoustic noise levels for the laser printers are averages while using single sheet paper and are not guaranteed figures.

9 PIN PRINTERS

MODEL	NOISE LEVEL
LX-810	56 dB(A)
FX-850	56 dB(A)
FX-1050	56 dB(A)
DFX-5000	55 dB(A)
DFX-8000	55 dB(A)

24 PIN PRINTERS

MODEL	NOISE LEVEL
LQ-200	55 dB(A)
LQ-510	56 dB(A)
LQ-1010	56 dB(A)
LQ-850	56 dB(A)

MODEL	NOISE LEVEL
LQ-860	55 dB(A)
LQ-1050	55 dB(A)
LQ-2550	55 dB(A)

LASER PRINTERS

MODEL	NOISE LEVEL
EPL-7000	50 dB(A)
EPL-7500	50 dB(A)